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This listing of claims will replace all prior versions, and listings, of claims in the application.

## Listing of claims:

1. (Currently Amended) A user interface system, said system comprising a plurality of logical buttons and their physical equivalents,

wherein said physical equivalents <u>being</u> are arranged symmetrically in a multidimensional manner suggesting that a functionality of the physical equivalents is logically interrelated and determinable from a physical layout of the physical equivalents, and

wherein said physical equivalents map to a corresponding plurality of asymmetrical logical buttons, the asymmetrical logical buttons being logically unrelated to each other,

wherein a first subset of said physical equivalents is mapped to correspond to symmetrical logical buttons for either horizontal movement or vertical movement,

wherein a second subset of said physical equivalents is mapped to correspond to asymmetrical logical buttons having functionality unrelated to each other, and

wherein upon physical reorientation of the user interface system, each of said physical equivalents is remapped to another of the logical buttons.

- 2. (Original) The user interface system of claim 1 wherein a subset of the logical buttons and their physical equivalents are arranged on a horizontal axis (horizontally) and a subset of the logical buttons and their physical equivalents are arranged on a vertical axis (vertically).
- 3. (Original) The user interface system of claim 2 wherein:

said physical equivalents arranged horizontally correspond to logical buttons for horizontal movement; and

wherein said physical equivalents arranged vertically do not correspond to logical buttons for vertical movement.

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4. (Original) The user interface system of claim 2 wherein:

said physical equivalents arranged vertically correspond to logical buttons for vertical

movement; and

said physical equivalents arranged horizontally do not correspond to logical buttons

for horizontal movement.

5. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a four-button

diamond arrangement.

6. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise an eight-

button compass arrangement.

7. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a D-Pad.

8. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise at least two

pairs of physical buttons.

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9. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise two buttons

and a wheel.

10. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a rocking

wheel.

11. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a super

wheel.

12. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise two buttons

and a dogbone.

13. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a rocking

dogbone.

14. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a super

dogbone.

15. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a plurality of

discrete button pairs.

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16. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a joystick.

17. (Original) The user interface system of claim 2 wherein, in regard to the plurality of

logical buttons and their physical equivalents, the physical equivalents comprise a touchpad.

18. Cancelled.

19. (Currently Amended) A method for navigating an object comprising the utilization of

a user interface system, said system comprising a plurality of logical buttons and their

physical equivalents,

wherein said physical equivalents being are arranged symmetrically in a multi-

dimensional manner suggesting that a functionality of the physical equivalents is logically

interrelated and determinable from a physical layout of the physical equivalents, and the

method comprising:

wherein said physical equivalents map to a corresponding plurality of asymmetrical

logical buttons, the asymmetrical logical buttons being logically unrelated to each other

mapping a first subset of said physical equivalents to symmetrical logical buttons for

either horizontal movement or vertical movement;

mapping a second subset of said physical equivalents to asymmetrical logical buttons

having functionality logically unrelated to each other,

upon physical reorientation of the user interface system, remapping each of said

physical equivalents to another of the logical buttons.

20. (Original) The method of claim 19 wherein a subset of the logical buttons and their

physical equivalents are arranged on a horizontal axis (horizontally) and a subset of the

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logical buttons and their physical equivalents are arranged on a vertical axis (vertically).

21. (Original) The method of claim 20 wherein:

said physical equivalents arranged horizontally correspond to logical buttons for horizontal movement; and

wherein said physical equivalents arranged vertically do not correspond to logical buttons for vertical movement.

22. (Original) The method of claim 20 wherein:

said physical equivalents arranged vertically correspond to logical buttons for vertical movement; and

said physical equivalents arranged horizontally do not correspond to logical buttons for horizontal movement.

- 23. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a four-button diamond arrangement.
- 24. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise an eight-button compass arrangement.
- 25. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a D-Pad.

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26. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise at least two pairs of

physical buttons.

27. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise two buttons and a

wheel.

28. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise a rocking wheel.

29. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise a super wheel.

30. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise two buttons and a

dogbone.

31. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise a rocking dogbone.

32. (Original) The method of claim 20 wherein, in regard to the plurality of logical

buttons and their physical equivalents, the physical equivalents comprise a super dogbone.

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33. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a plurality of discrete button pairs.

- 34. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a joystick.
- 35. (Original) The method of claim 20 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a touchpad.

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36. Cancelled.

37. (Currently Amended) A computer-readable medium having computer-readable instructions for navigating an object comprising the utilization of a user interface system, said

system comprising a plurality of logical buttons and their physical equivalents,

wherein said physical equivalents being are arranged symmetrically in a multi-

dimensional manner suggesting that a functionality of the physical equivalents is logically

interrelated and determinable from a physical layout of the physical equivalents, and the

instructions for performing the following:

wherein said physical equivalents map to a corresponding plurality of asymmetrical

logical buttons, the asymmetrical logical buttons being logically unrelated to each other,

mapping a first subset of said physical equivalents to symmetrical logical buttons for

either horizontal movement or vertical movement;

mapping a second subset of said physical equivalents to asymmetrical logical buttons

having functionality unrelated to each other; and

upon physical reorientation of the user interface system, remapping each of said

physical equivalents to another of the logical buttons.

38. (Original) The computer-readable medium of claim 36 wherein a subset of the logical

buttons and their physical equivalents are arranged on a horizontal axis (horizontally) and a

subset of the logical buttons and their physical equivalents are arranged on a vertical axis

(vertically).

(Original) The computer-readable medium of claim 38 wherein: 39.

said physical equivalents arranged horizontally correspond to logical buttons for

horizontal movement; and

wherein said physical equivalents arranged vertically do not correspond to logical

buttons for vertical movement.

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40. (Original) The computer-readable medium of claim 38 wherein:

said physical equivalents arranged vertically correspond to logical buttons for vertical

movement; and

said physical equivalents arranged horizontally do not correspond to logical buttons

for horizontal movement.

41. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

four-button diamond arrangement.

42. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise

an eight-button compass arrangement.

43. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

D-Pad.

44. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise

at least two pairs of physical buttons.

45. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise

two buttons and a wheel.

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46. (Original) The computer-readable medium of claim 38 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

rocking wheel.

47. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

super wheel.

48. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise

two buttons and a dogbone.

49. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

rocking dogbone.

50. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

super dogbone.

51. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

plurality of discrete button pairs.

52. (Original) The computer-readable medium of claim 38 wherein, in regard to the

plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

joystick.

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53. (Original) The computer-readable medium of claim 38 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

touchpad.

54. Cancelled.

55. (Currently Amended) A hardware control device for navigating an object comprising the utilization of a user interface system, said system comprising a plurality of logical buttons and their physical equivalents,

wherein said physical equivalents being are arranged symmetrically in a multidimensional manner suggesting that a functionality of the physical equivalents is logically interrelated and determinable from a physical layout of the physical equivalents, said physical equivalents comprising a four-button diamond arrangement, and

wherein said physical equivalents map to a corresponding plurality of asymmetrical logical buttons, the asymmetrical logical buttons being logically unrelated to each other

wherein a first subset of said physical equivalents is mapped to correspond to symmetrical logical buttons for either horizontal movement or vertical movement,

wherein a second subset of said physical equivalents is mapped to correspond to asymmetrical logical buttons having functionality unrelated to each other, and

wherein upon physical reorientation of the user interface system, each of said physical equivalents is remapped to another of the logical buttons.

56. (Original) The hardware control device of claim 55 wherein a subset of the logical buttons and their physical equivalents are arranged on a horizontal axis (horizontally) and a subset of the logical buttons and their physical equivalents are arranged on a vertical axis (vertically).

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57. (Original) The hardware control device of claim 56 wherein:

said physical equivalents arranged horizontally correspond to logical buttons for

horizontal movement; and

wherein said physical equivalents arranged vertically do not correspond to logical

buttons for vertical movement.

58. (Original) The hardware control device of claim 56 wherein:

said physical equivalents arranged vertically correspond to logical buttons for vertical

movement; and

said physical equivalents arranged horizontally do not correspond to logical buttons

for horizontal movement.

59. (Cancelled)

60. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise an eight-

button compass arrangement.

61. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a D-Pad.

62. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise at least

two pairs of physical buttons.

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63. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise two

buttons and a wheel.

64. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a rocking

wheel.

65. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a super

wheel.

66. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise two

buttons and a dogbone.

67. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a rocking

dogbone.

68. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a super

dogbone.

69. (Original) The hardware control device of claim 56 wherein, in regard to the plurality

of logical buttons and their physical equivalents, the physical equivalents comprise a plurality

of discrete button pairs.

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70. (Original) The hardware control device of claim 56 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a joystick.

71. (Original) The hardware control device of claim 56 wherein, in regard to the plurality of logical buttons and their physical equivalents, the physical equivalents comprise a

touchpad.

72. Cancelled.

73. (Currently Amended) A hardware control device, said device comprising a plurality of logical buttons and their physical equivalents,

said device comprising a means by which a plurality of symmetrical physical equivalents arranged in a multi-dimensional manner suggesting that a functionality of the physical equivalents is logically interrelated and determinable from a physical layout of the physical equivalents, are mapped to a corresponding plurality of asymmetrical logical buttons, said asymmetrical logical buttons being logically unrelated to each other.

wherein a first subset of said physical equivalents is mapped to correspond to symmetrical logical buttons for either horizontal movement or vertical movement,

wherein a second subset of said physical equivalents is mapped to correspond to asymmetrical logical buttons having functionality unrelated to each other, and

wherein upon physical reorientation of the user interface system, each of said physical equivalents is remapped to another of the logical buttons.